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CURRICULA VITAE OF CANDIDATES NOMINATED BY STATES PARTIES FOR ELECTION TO THE COMMISSION ON THE LIMITS OF THE CONTINENTAL SHELF

Additional list circulated in accordance with the decision of the Meeting of States Parties adopted on 11 March 1997

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BELTAGY, Ali I.

(Egypt)

Date of birth: 23/1/1944, Egypt

Citizenship: Egyptian

Marital status: Married and 3 children

Address: National Institute of Oceanography and Fisheries, Kayet Bey, Alexandria, Egypt

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EDUCATION

- 1959-1963: Faculty of Science, Alexandria University (Chemistry and Geology)
- 1965-1966: Diploma of Higher Studies in Oceanography
- 1968-1969: M.Sc., University of Liverpool, UK (Marine Geochemistry)
- 1969-1973: Ph.D., McGill University, Montreal, Canada (Marine Geochemistry)

EMPLOYMENT RECORD

- 1963-1968: Research assistant, Institute of Oceanography and Fisheries
- 1968-1973: Research assistant, Institute of Oceanography and Fisheries (on leave)
- 1974-1977: Assistant Professor, Marine Geochemistry, Institute of Oceanography and Head of the Marine Biological Station, Hurgadu, Red Sea
- 1977-1982: Assistant Professor, Department of Marine Sciences, Qatar University, Qatar, Arabian Gulf
- 1982-1988: Associate Professor, Marine Geochemistry and Head of ENODC, Alexandria

- 1988-1989: Professor of Marine Geochemistry and Head of Marine Chemistry Department, NIOF

- 1989-1995: Director of NIOF, Alexandria

1995- : Chairman of Shore Processes Laboratory, NIOF

CONSULTANCY

- ALECSO (Red Sea Environment Program)

- USAID (Science and Technology Projects Asrt.)

- UNDP (Global Environmental Facility)

- UNEP (Centre for Special Protected Areas)

- WHO (World Health Organization)

PUBLICATIONS

1. Mineralogical and chemical studies of deep sea sediments. Liverpool University, U.K., 1969.

2. Introduction to Marine Chemistry, J. P. Riley and R. Chester, eds., Acad. Press, 1971.

3. The geochemistry of some recent marine sediments from the Gulf of St. Lawrence. "A study of the less than 63 - fraction", McGill University, Montreal, Canada, 1973.

4. The particle size distribution of quartz in some North Atlantic deep sea sediments. Mar. Geol. 13, 297-310, 1972.

5. Chemistry and clay mineralogy of recent marine sediments from the Gulf of St. Lawrence. (Abst.) Clay Mineral Conf., Clay Mineral Soc., Rapid City, S.D., No. 22, p. 52, 1973.

6. Geochemical studies of recent sediments from the Gulf of St. Lawrence. I - Distribution of major and minor elements. Bull. Inst. Oceanogr. & Fish., ARE, 8(2), 69-91, 1982.

7. Geochemical studies of recent sediments from the Gulf of St. Lawrence II - Geochemistry of trace elements. Bull. Inst. Oceanogr. & Fish., ARE, 8(2), 157-183, 1982.

8. Oil pollution along the coasts of Qatar, Arabian Gulf, 1981, Al-Raian.

9. The distribution of some trace elements in a diatomaceous pelagic ooze from the Southern Ocean. Bull. Inst. Oceanogr. & Fish., ARE, 7(3), 343-351, 1981.

10. Seasonal variation of some trace elements content in the Red Sea waters at Al-Ghardaqa. Bull. Inst. Oceanogr. & Fish., ARE, 8(1), 1-11, 1982.

11. The nature and characteristics of suspended particulate matter in the Gulf waters at Al-Khor, Qatar. Bull. Inst. Oceanogr., ARE, 8(1), 13-21, 1982.

12. D_2 and $^{18}O_2$ abundances in the Gulf waters of Qatar. Bull. Inst. Oceanogr. & Fish., ARE, 8(2), 17-21, 1982.

13. Hydrography of the Red Sea waters near Al-Ghardaqa. Bull Inst. Oceanogr. & Fish., ARE, 9, 69-77, 1983.

14. Hydrography and chemistry of the Gulf of Suez during September 1966. Bull Inst. Oceanogr. & Fish., ARE, 9, 78-83, 1983.

15. Some oceanographic measurements in the Gulf waters around Qatar Peninsula. Qatar Univ. Sci. Bull., 3, 329-341.

16. The distribution of phosphorus, iron and manganese in recent marine sediments off the Nile Delta. Acta Adriatica, 24(1/2), 193-203, 1983.

17. Elemental geochemistry of some recent marine sediments from the Northern Red Sea. (Abst.), Proc. Symp. Coral Reef environ. Red Sea, Jeddah, 326-327, 1984.

18. Elemental geochemistry of some recent marine sediments from North Red Sea. Bull. Inst. Oceanogr. & Fish., ARE, 10, 1-12, 1984.

19. The distribution of organic matter in the sediments of the Gulf of Suez. Bull. Inst. Oceanogr. & Fish., ARE, 10, 99-109, 1984.

20. Oceanographic and fisheries investigations in the Egyptian Red Sea. Bull. Inst. Oceanogr. & Fish. ARE, Special Publ. No. 1, 98 pp., 1984.

21. Phosphate adsorption on manganese and iron oxides and acid leached sediments from the Mediterranean continental shelf of Egypt. Bull. Inst. Oceanogr. & Fish., ARE, 11, 53-71, 1985.

22. Sequences and consequences of pollution in northern Egyptian Lakes. 1 - Lake Borollus. Bull. Inst. Oceanogr. & Fish., ARE, 11, 73-97, 1985.

23. Kinetics of dissolution of the alkaline earth fluorides. Bull. Inst. Oceanogr. & Fish., ARE, 11, 99-106, 1985.

24. Dissolution of calcium fluoride in aqueous solution (artificial sea water). Bull. Inst. Oceanogr. & Fish., ARE, 12, 49-55, 1986.

25. Geochemistry of the Red Sea shelf sediments at Al-Ghardaqa, I - Abundance and distribution pattern of chemical constituents.

26. Geochemistry of the Red Sea shelf sediments at Al-Ghardaqa, II - Geochemistry of the major elements. Bull. Inst. Oceanogr. & Fish., ARE, 12, 1986.

27. Heat balance in the Arab's Gulf of Egypt. Jacob Bjerknes Symposium on Air-Sea Interactions, UCLA, USA, Jan. 1988.

28. Detergents in Lake Borollus. First National Conference on Environmental Research and Studies, Ain-Shams University, Cairo, Egypt, Jan. 1988.

29. Detergents in Lake Borollus. Rapp. Comm. Int. Mer. Medit., 31(2), 1988, p. 72.

30. Surface heat balance of Lake Borollus. Rapp. Comm. Int. Mer. Medit., 31(2), 1988.

31. Preliminary investigation on the levels of heavy metals in the sediments of Lake Borollus. Rapp. Comm. Int. Mer. Medit., 31(2), 1988, p. 73.

32. Chemistry of Lake Borollus, I. Changes in nutrient chemistry between 1970 and 1987. Rapp. Comm. Int. Mer. Medit., 31(2), 1988, p. 68.

33. Grain size analysis, areal distribution of sediments and environment of deposition of tidal and bottom sediment from Ghardaqa region, Red Sea area. Bull. Inst. Oceanogr. & Fish., ARE, 13(1), 147-168, 1987.

34. Levels of contamination by heavy metals in some fish families from Egypt, paper presented at 102nd AOAC, Annual International Meeting, 1988.

35. Marine Parks and Reserves on the Red Sea Coast. Proc. Regional Meeting on Marine Parks and Reserves in the Northern Indian Ocean including the Red Sea and the Persian Gulf, IUCN Publ., 43-44, 1976.

36. Marine Parks and Reserves in Egyptian Mediterranean and Red Sea. First National Symposium on Conservation of Nature, NRC, Cairo, Egypt, 1975 (in Arabic).

37. A bibliography of the Red Sea and Gulf of Aden, with review of the physical conditions in the Red Sea. ALECSO, Cairo, 1975, 217 pp.

38. A bibliography of the Arabian Gulf. Manuscript Rep. No. 2, Scientific and Applied Research Center, Qatar University, 1980, 73.

39. Chemical studies in A'Sallum Bay. Tech. Rep. No. 1. Inst. Oceanogr. & Fish., ARE, M. T. Hashem (ed.), 1976.

40. Baseline marine environmental studies on East Zeit area, Gulf of Suez. Final Report, July 1986. Prepared for ESSO-Suez Oil Company, Cairo, Egypt, 158 pp.

41. A bibliography on pollution of the aquatic environment in Egypt. Rep. Acad. Sci. Res. & Tech./US EPA Project on: Investigations of levels and effect of pollution in saline lakes and coastal marine environment, 1987.

42. Geochemical and Mineralogical Study of Recent Metalliferous Deposits of Atlantic II. Deep. Red Sea. Proceedings of the First Conference on Geochemistry. Geology Dept., Alexandria University, 1-2 March 1989, pp. 636-646.

43. Lateral Zonation of iron oxyhydroxides and oxides in metalliferous sediments of the Atlantis II. Deep. Red Sea. A Genertic Account. Proceedings of the IUGG Symposium. Vienna, 11-24 August 1992 (Abstract).

44. Nutrient Balance and Biomass Productivity interrelations in the Coastal Lagoon, Lake Borollus, Egypt. CIESM, France, 1990, p. 69.

45. Distribution of heavy metals in some species of edible fish from the Red Sea. International Symposium and Workshop on Food Contamination. MyCotoxines and Phycotoxins, Nov. 1990, Cairo, Egypt. (Abstract). P. (127).

46. Lead and Cadmium level in some fish of the River Nile and Lake Manzalah, Egypt. International Symposium and Workshop on Food Contamination, MyCotoxines and Phycotoxins, Nov. 1990, Cairo, Egypt. (Abstract). P. 131.

47. Distribution of Cu, Cd, Fe, Pb and Zn in some fish families from the Mediterranean Sea. Egypt. International Symposium and Workshop on Food Contamination, MyCotoxines and Phycotoxins, Nov. 1990, Cairo, Egypt. (Abstract). P. 135.

48. An ecological model for Lake Borollus. JOA, Acapulco, Mexico, 1988.

49. Geochemical Model of Some Trace Metals in the Sediments of the Mediterranean Coast of Egypt. Marine Geology. 1993.

50. First annual report on Lake Borollus, 1987.

51. Second annual report on Lake Borollus, 1988.

52. Report on Alexandria disposal in the Mediterranean. 43 pp. presented to EEAA. Cairo, Egypt, October 1983.

53. Report on Alexandria sewage disposal and its effect on the marine environment. National Investment Bank, Cairo, August 1984.

54. Role of humic substances in the accumulation of trace metals in bottom sediments. Proc. Symp. Mar. Chem. in the Arab Region, Suez, Egypt. 1991, 239-254.

55. Distribution and occurrence of humic substances in Lake Edku, Egypt, Proc. Symp. Mar. Chem. in the Arab Region, Suez, Egypt, 1991. 89-98.

56. Humic substances in the sediments of Lake Edku, Egypt: I - Occurrence and Distribution. King Abdul Aziz Univ. Mar. Sci. Bull., 1994, vol. 5: 25-34.

57. Humic substances in the sediments of Lake Edku, Egypt: II - Its role in the accumulation of trace metals. King Abdul Aziz Univ. Mar. Sci. Bull., 1994, vol. 5: 35-47.

58. Elemental composition and spectroscopic characteristics of humic substances isolated from sediments cores. Proc. Int. Conf. on Future Aquatic Resources in the Arab Region, Alexandria, Egypt, 1994: 29-42.

59. The occurrence of humic substances in sediment cores of Lake Edku. Proc. Int. Conf. on Future Aquatic Resources in the Arab Region, Alexandria, Egypt, 1994: 29-42.

60. Sedimentary humic substances isolated from a coastal lagoon of the Nile Delta: Physical and chemical characteristics. Estuarine, Coastal & Shelf Science, 1996 (43).

PROJECTS

1. Investigation of level and effects of pollutants in saline lakes and littoral marine environments (1978), USAID

2. Environmental impact assessment of East Zeit Oilfield development (1986), ESSO Oil Company

3. The state of oil pollution along the coasts of the Gulf of Suez and part of the Mediterranean (1991-1992), ESSO Oil Company

4. Baseline environmental survey of the Mediterranean coast and around drilling sites west of Alexandria (1991-1992), Shell Oil Company.

5. Baseline environmental studies around drilling site in the Gemsha area, Red Sea: (1992-1993), BAPETCO Oil Company

6. Environmental Impact Assessment (EIA) of Seismic Survey in Lake Manzalah. ELF Oil Company

7. EIA of Seismic Survey Lake Burullus (1990), ARCO Oil Company

8. Environmental studies on Lake Manzalah (1990-1991), ELF Oil Company

9. Baseline environmental survey of the Mediterranean between Port Said and Burullus (1992), IEOC

10. EIA for El'Ghardaqa region (1991), ASAMERA

11. Bathymetric survey of the Gulf of Aqaba south of Taba, Ministry of Tourism (1991)

12. EIA of the Gulf of Suez, Ataqa harbour, MOHARAM Consultants (1989)

13. EIA of oil and gas exploration and development of Concession A area, PHILLIPS Petroleum Company (1993)

14. Lake Management Study of Lake Burullus (1986-1990), USAID

15. Trophodynamics of the Southeastern Mediterranean (1992), USAID

16. EIA studies on the industrial development in Ataqa area, Gulf of Suez, Moharm consultant and Ministry of New Communities (1993)

17. Warda Environmental studies, Zaafarana Oil Company, 1994

18. Environmental studies, bathymetry, modelling and design of Sharm El'Shikh Harbor, Red Sea Ports Authority, 1993

19. Bathymetric survey of Abu Kir fishing harbour, 1993

20. Bathymetry, modelling and design of El'Sadat (Suez area), 1993

21. Bathymetric survey of the navigation channel, Safaga Harbour, Red Sea, EGYCO, 1994

22. EIA of artificial lake in Nacma Bay area, Gulf of Aqaba, Allied Arab Tourism, 1994

23. Environmental and geotechnical studies of El'Homera and Port Said marina areas. Tourism Development Authority, 1994

24. Environmental Studies, Red Sea Resort & Villas, Hurgada, Red Sea. Moharam & Bakhoum Consultants, 1994

25. North Sinai and Lake Bardawil Development: A Case Study. National Committee of Coastal Zone Management, EEAA, May 1995

26. EIA of New Nagaa Hammadi Barrage Project, Upper Egypt. Moharam & Bakhoum Consultants, 1995

27. Baseline conditions at oily water treatment plant, Ras Fanar, Ras Gharib, Red Sea. Suez Oil Company, 1996

BETAH, Samuel Sona

(Cameroon)

Date of birth: 1 October 1945

Place of birth: Bai Sombe, Mbonge Subdivision, Meme Division, South-West Province

Ethnic group: Balong

Marital status: Married, father of five children

Education

Academic

1966-1971 Master of Science in Geology, Moscow State Geological Institute. Concentration: prospecting and exploration of mineral deposits.

1974-1975 Postgraduate Certificate in Hydrogeology, Amsterdam Free University, the Netherlands.

1965-1966 Advanced-level certificate, Preparatory Faculty, Moscow State University.

1960-1964 General certificate of Education (G.C.E.) "O" level, London/Cameroon Protestant College, Bali.

Professional training

1994 Regional leadership course on marine ocean affairs in Africa, Economic Commission for Africa (ECA), Addis Ababa.

1986 Course in Public Management, Higher Institute of Public Management, Yaoundé.

1985 Economic and mineral strategy seminar, Ecole des Mines de Paris.

1984 UNITAR Regional Training and Refresher Course on International Law in Africa and the Law of the Sea, International Relations Institute of Cameroon, Yaoundé.

1980 Law of the Sea and Management of Marine Resources, International Ocean Institute, Malta.

1978 Advanced course on Schlumberger log interpretation at ELF Petroleum Training Centre, Port Gentil, Gabon.

Professional experience

Service record

Employer: Ministry of Mines, Water and Energy.

Date of recruitment: 28 March 1972.

Rank: Senior Engineer of Mines and Geology, Exceptional Class; Director of Geology.

Posts held

1987- Director of Geology.

1973-1987 Assistant Director of Geology.

1977-1979 Chief of Service for Exploration of Hydrocarbons.

1975-1977 Assistant Chief of Hydrogeology of UNDP ground water exploration project in North Cameroon.

Subject areas

1979- Solid mineral prospecting and exploration; lateric nickel and cobalt, gold, diamonds, uranium, rutile, bauxite, iron etc.; seabed minerals prospecting and exploration (United Nations Office for Ocean Affairs and the Law of the Sea, New York); construction materials.

1986- Environmental studies relating particularly to natural hazards: lethal gas explosions in lakes, volcanic eruptions, earth tremors, landmines, etc.

1977-1979 Hydrocarbons exploration: geology and seismic interpretation on the KwA-Kwai well (Douala) and the Pondo well (Tiko), onshore in the Mabeta area (Limbe) with the Gulf Oil Company.

1972-1977 UNDP groundwater exploration project. In 1975, confirmed by UNDP as hydrogeologist of the project.

International conferences

1994-	Assembly of the International Seabed Authority.
1983-1994	United Nations Convention on the Law of the Sea: Preparatory Commission for the International Seabed Authority and for the International Tribunal for the Law of the Sea.
1987-1994	Member of the Group of Technical Experts of the Preparatory Committee and member of the Training Panel. Presided over some meetings of the Training Panel.
3-14 June 1992	United Nations Conference on Environment and Development, Rio de Janeiro, Brazil.
11-14 November 1985	Intergovernmental meeting of experts on aspects of exploration and exploitation of seabed resources in the context of the United Nations Convention on the Law of the Sea, ECA, Addis Ababa.
11-13 April 1983	International Conference on the Proterozoic, Lusaka, Zambia.
	Attended international geological congresses in France, Canada and the United States of America.

Fellowships/Awards

1980	International Ocean Institute (IOI) Scholarship.
1974	United Nations Fellowship to Amsterdam Free University, the Netherlands.
1965	Russian Scholarship (bilateral cooperation) to Moscow State University and Moscow Geological Institute.

Professional affiliations

International Marine Minerals Society.
Cameroon Society of Earth Scientists.
Cameroon Society of Engineers.

Publications

- "Geological structure of the Upper Udinsk Mineral region and preliminary exploration of the April mercury prospect".
- "Groundwater exploration in North Cameroon".
- "Management of marine resources in the exclusive economic zone".

Volunteer activities

President of the Solidarity Fund of personnel of the Ministry of Mines, Water and Energy.

Elder, Presbyterian Church in Cameroon, Bastos, Yaoundé.

Language skills: Fluency and writing capability in English, French and Russian.

Computer skills: Basics of WordPerfect, Lotus 123.

KAZMIN, Yuri Borisovitch

(Russian Federation)

Date of birth: 3 September 1932

Nationality: Russian

Citizenship: Russian Federation

Marital status: Married with two children

Languages: Russian (mother tongue)
English (fluent)

EDUCATION

1955 M.Sc. Geology
Moscow Geological Prospecting Institute

1964 Ph.D., International Economics,
Moscow Academy of Foreign Trade

1978 Ph.D., International Law,
Moscow Juridical Institute, Russian Academy of Sciences

PROFESSIONAL EXPERIENCE AND ACTIVITY

PRESENT

(since 1992) Counsellor, Ministry of Natural Resources of the Russian Federation

Advisory services on legal, scientific and technical matters concerning marine research, prospecting and exploration, and the Law of the Sea. Preparation of national legislation concerning continental shelf, EEZ and other sea areas of national jurisdiction; Ministry's representative in the Parliament and its bodies on the matters of drafting and consideration of national legislation on marine and mineral resources development. Coordination of environmental research projects in the pioneer area of the Russian Federation. International cooperation in marine research and prospecting.

PREVIOUS

1988-1992 Chief Expert, State Commission on Arctic and Antarctic Affairs of the USSR Government (since 1992 - of the Russian Federation Government)

Organization of the government activities in the Arctic areas, including scientific research, geological and mining activities, industrial development, environmental protection and international relations; supervision of the Antarctic research.

1980-1988 Director, Department of Ocean Mineral Resources, USSR Ministry of Geology

Head of the USSR marine geological survey. Supervision and organization of the USSR activities in the field of marine geology, prospecting and exploration, including petroleum and hard minerals prospecting and exploration (continental shelf), research and prospecting for polymetallic nodules and other minerals (deep seabed areas), delimitation of the outer limits of the continental shelf; geological research in Antarctica; research and development of marine prospecting and exploration technology; international relations and cooperation in marine geological research and prospecting, in Arctic and Antarctic affairs.

1971-1980 Deputy Director, Marine Prospecting and Exploration Department, USSR Ministry of Geology

Supervision and organization of the USSR activities in the field of marine geology, prospecting and exploration, including petroleum and hard minerals prospecting and exploration (continental shelf), research and prospecting for polymetallic nodules and other minerals (deep seabed areas).

1967-1971 Economic Affairs Officer, Secretariat of the United Nations Commission for Asia and the Far East, Bangkok (Thailand)

Organization and coordination of national and regional projects for offshore petroleum and hard minerals prospecting and exploration in the continental shelf areas of Thailand, Malaysia, Indonesia, the Philippines, Viet Nam. Coordination of regional projects on the compilation of geological and related maps for Asia and the Far East, technical assistance to Nepal and India on mineral resources development.

1953-1967 Senior Geologist, Aerogeology Enterprise, USSR Ministry of Geology

Field geological survey and prospecting in the Pamirs and Eastern Siberia.

ACADEMIC EXPERIENCE

1968-1971	Associate Professor of Geology, Chulalongkorn Royal University, Bangkok, Thailand
1972-1975	Lecturer on Marine Geology, Leningrad Mining Academy
1992-1993	Lecturer on the Law of the Sea, Training courses for trainees of the PrepCom, Interoceanmetal Organization, Schetzin, Poland

INTERNATIONAL EXPERIENCE AND CONFERENCES

1971-1973	Member of the USSR delegation at the United Nations Seabed Committee
1974-1982	Member of the USSR delegation at the Third United Nations Conference on the Law of the Sea (responsible for continental shelf issues and Part XI)
1983-1988	Vice-Chairman of the USSR delegation at the sessions of the Preparatory Commission for the Seabed Authority and for the International Tribunal for the Law of the Sea (PrepCom)
1985	Chairman of the USSR delegation which negotiated with France and Japan the problem of the overlapping of the pioneer sites in the Pacific
1986-1987	Chairman of the USSR delegation which negotiated with Canada, Italy, the Netherlands, Belgium, the United States of America, the United Kingdom and Germany the problem of the overlapping of deep seabed mining sites for polymetallic nodules in the Pacific
1988-1990	Negotiations with the Arctic States on the establishment of the International Arctic Science Committee (IASC)
1990-1991	Soviet representative to the Regional Council of IASC
1991-1992	Meetings of the Arctic countries on the Arctic Environment Protection Agreement
1992	Expert-consultant of the Interoceanmetal Joint Organisation at the sessions of the PrepCom
1995-1996	Member of the Russian delegation at the sessions of the Assembly of the International Seabed Authority

PUBLICATIONS

More than 20 publications on the geology and mineral resources of continental shelf and deep seabed areas, and the Law of the Sea.